



LIGHTWEIGHT EROSION CONTROL BLANKETS MSP-97-13A

1.0 Description. This work shall consist of furnishing and placing lightweight erosion control blankets, as specified in the contract, at locations shown on the plans, or as designated by the engineer. Typical applications are in highly erodible areas where Type 1, 2 or 3 mulch normally is used.

1.1 Unless otherwise stated, specification section references are from the version of the Missouri Standard Specifications for Highway Construction and its supplements in effect at the time of this contract.

2.0 Material.

2.1 Straw Blanket. Straw blanket shall consist 100 percent straw fibers and be free of weeds. The blanket shall be of consistent thickness, with the fibers evenly distributed over the entire area of the blanket. The blanket shall be covered on the top side with a netting having a maximum mesh size of 1 1/2 inch x 1 1/2 inch (38 mm x 38 mm), composed of cotton cord, twisted Kraft paper yarn or degradable extruded plastic. The netting shall be entwined with the straw mat for maximum strength and ease of handling. The blanket shall have a minimum weight of 0.50 pounds per square yard (0.27 kilograms per square meter).

2.2 Excelsior Blanket. Excelsior blanket shall meet Sec 806.2.2 except the smolder resistance requirement shall not apply.

2.3 Staples. Staples for blankets shall meet Sec 806.2.3

2.4 Certification and Acceptance. The contractor shall furnish a manufacturer's certification to the engineer stating that the material furnished complies with all requirements specified and listing specific results of the specified properties.

2.4.1 Acceptance of the material will be based on the manufacturer's certification and upon the results of such tests as may be performed by the engineer.

3.0 Construction Requirements. Blankets shall be installed in accordance with Sec 806.3.2 except as noted herein. Successive rolls shall be overlapped 6 inches (150 mm) on the ends and 3 inches (75 mm) on the edges, with the seams shingled down slope. The blanket shall uniformly cover the entire area. If there is bare ground showing through the blanket, the area shall be overlapped with an acceptable patch of blanket, as approved by the engineer.

4.0 Method of Measurement. Measurement of blankets will be made to the nearest square yard (meter) of the surface area covered by the completed blanket.

5.0 Basis of Payment. The accepted quantity of blanket will be paid for at the contract unit price for each of the pay items included in the contract. No direct payment will be made for lap joints, staples or other incidental items.